

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E83121

Employer : City of Tukwila

Worksite : All locations

Street : 6200 Southcenter Blvd

Jurisdiction : City of Tukwila

Survey Date : 4/13/2015

Survey Type : Paper

Response Rate : 86%

Drive Alone & One-Way VMT Rates at this Worksite

Employees and Survey Response Information

Drive Alone : 66.0%

Reported Total Employees at Worksite: 332

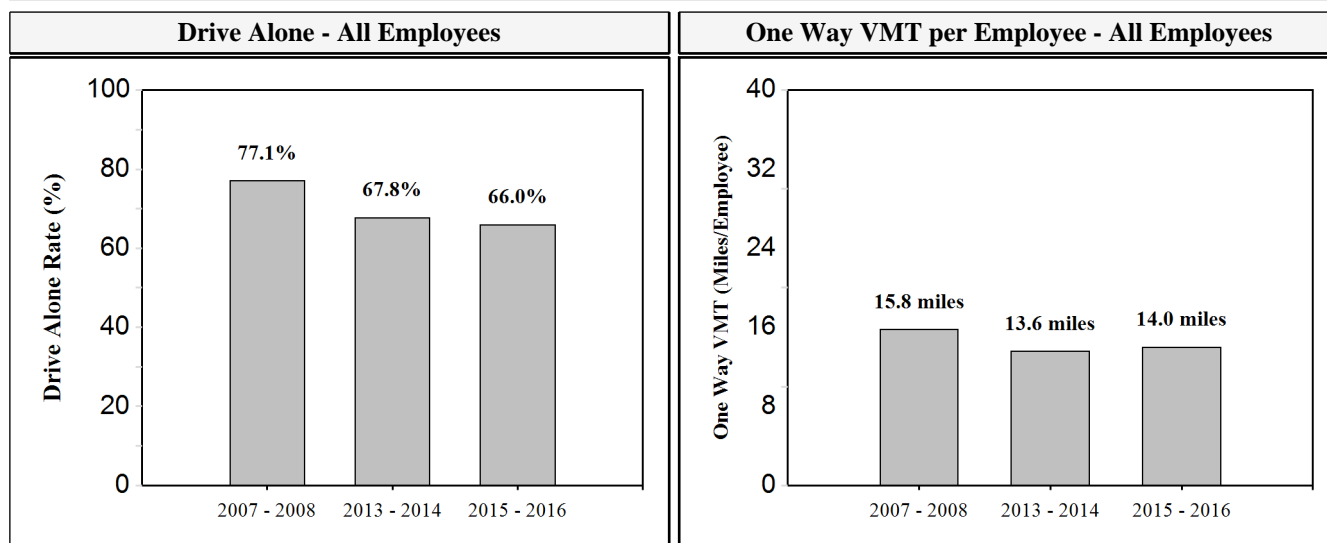
Surveys Distributed : 331

One-Way VMT per employee : 14.0

Surveys Returned : 285

Surveys Returned by CTR Affected Employees : 239

Total Estimated CTR - Affected Employees at Worksite : 278



Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	77.1%	75.8%	15.8	15.3
2009 - 2010	80.4%	79.1%	16.2	15.7
2011 - 2012	80.7%	78.4%	16.4	16.0
2013 - 2014	67.8%	64.7%	13.6	13.3
2015 - 2016	66.0%	64.4%	14.0	13.8
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	-14.4%	-15.0%	-11.4%	-9.8%

Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2013 - 2014	2015 - 2016
Drive Alone - All Employees*	77.1%	67.8%	66.0%
Drive Alone - CTR Affected Employees*	75.8%	64.7%	64.4%
VMT/Employee - All Employees	15.8	13.6	14.0
VMT/Employees - CTR Affected Employees	15.3	13.3	13.8

* Drive alone rate includes one person motorcycles.

Congratulations! You achieved a survey response rate of 70% or higher on this survey. Fill-in comparison for previous surveys, if applicable, are included in the chart above.

GHG Emissions: Total for Drive Alone, Carpools, Vanpools

Annual Greenhouse Gas Emissions (Metric Tons CO₂e) for Roundtrip Commute*

Value	2007 - 2008	2013 - 2014	2015 - 2016
Emissions for Surveyed Employees	930	877	827
Estimated Emissions for Total Employment	984	1,009	964

* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

Bus Transit Passenger Miles and Rail Transit Passenger Miles*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2013 - 2014	2015 - 2016
Bus Annual Passenger Miles - Estimated for Total Employment	9,523	0	11,067
Bus Annual Passenger Miles - Surveyed Employees	9,000	0	9,500
Ferry Annual Passenger Miles - Estimated for Total Employment	0	0	0
Ferry Annual Passenger Miles - Surveyed Employees	0	0	0
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	161,672	353,367	459,791
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	152,800	306,900	394,700

* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO₂e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO₂e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO₂e emissions per passenger mile for train/light rail/streetcar.

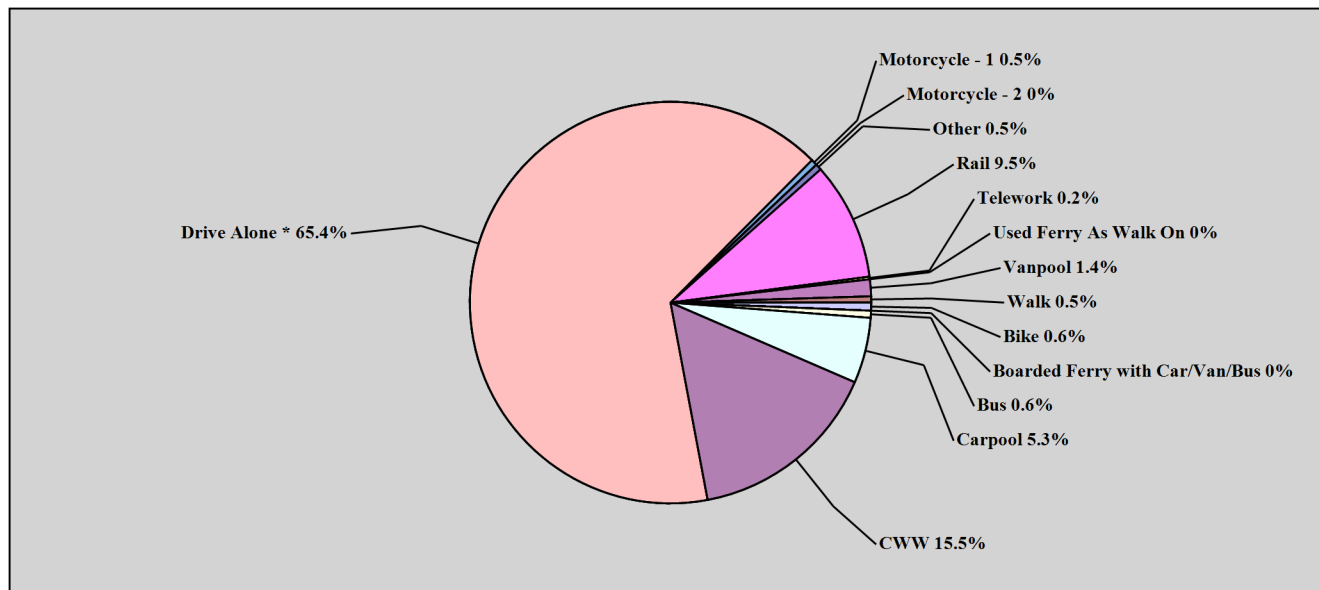
Q3.

One way, how many miles do you commute from home to your usual work location?
Average one-way distance home to work: 23.4 miles

Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



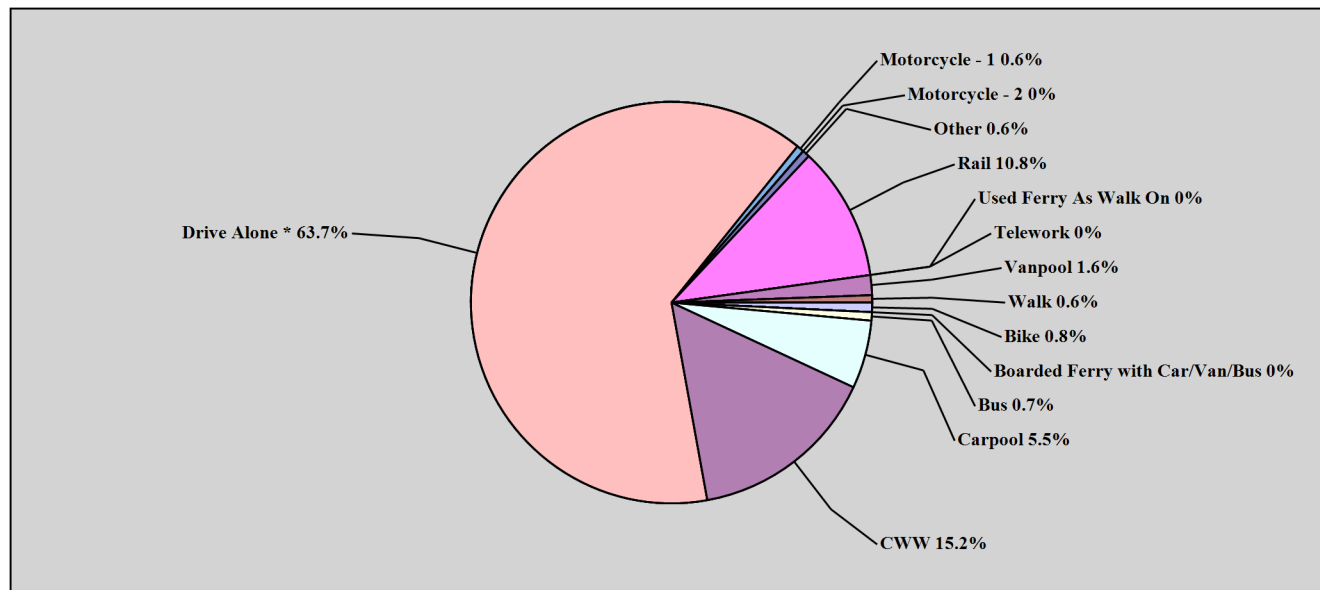
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	917	65.4%	67.7%	227	79.6%	85.9%
Carpool	74	5.3%	4.9%	19	6.7%	8.1%
Vanpool	19	1.4%	1.3%	5	1.8%	1.8%
Motorcycle - 1	7	0.5%	0.0%	3	1.1%	0.0%
Motorcycle - 2	0	0.0%	0.0%	0	0.0%	0.0%
Bus	8	0.6%	0.0%	2	0.7%	0.0%
Rail	133	9.5%	7.8%	30	10.5%	9.9%
Bike	9	0.6%	0.5%	3	1.1%	1.4%
Walk	7	0.5%	0.2%	2	0.7%	0.4%
Telework	3	0.2%	0.0%	1	0.4%	0.0%
CWW	218	15.5%	16.6%	147	51.6%	40.3%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	7	0.5%	1.0%	1	0.4%	3.2%

* Drive alone mode includes fill-in, where applicable.

Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	753	63.7%	64.5%	186	77.8%	85.0%
Carpool	65	5.5%	4.4%	17	7.1%	8.0%
Vanpool	19	1.6%	1.6%	5	2.1%	2.2%
Motorcycle - 1	7	0.6%	0.0%	3	1.3%	0.0%
Motorcycle - 2	0	0.0%	0.0%	0	0.0%	0.0%
Bus	8	0.7%	0.0%	2	0.8%	0.0%
Rail	128	10.8%	8.9%	29	12.1%	11.5%
Bike	9	0.8%	0.6%	3	1.3%	1.8%
Walk	7	0.6%	0.3%	2	0.8%	0.4%
Telework	0	0.0%	0.0%	0	0.0%	0.0%
CWW	180	15.2%	18.7%	120	50.2%	44.2%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	7	0.6%	0.9%	1	0.4%	3.5%

* Drive alone mode includes fill-in, where applicable.



Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	105	37%	285	100%
1 Days	85	30%	180	63%
2 Days	14	5%	95	33%
3 Days	16	6%	81	28%
4 Days	12	4%	65	23%
5 Days	51	18%	53	19%
6 or More Days	2	1%	2	1%

Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	81	73%	2	1.8%	2	1.8%	8	7.2%	14	12.6%	0	0%	1	0.9%	0	0%	25	22.5%
4 days a week (4/10s)	1	1.3%	58	72.5%	0	0%	4	5%	10	12.5%	5	6.3%	1	1.3%	1	1.3%	22	27.5%
3 days a week	0	0%	13	92.9%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	7.1%
9 days in 2 weeks (9/80)	5	22.7%	9	40.9%	0	0%	1	4.5%	5	22.7%	0	0%	1	4.5%	0	0%	8	36.4%
7 days in 2 weeks	0	0%	10	90.9%	0	0%	1	9.1%	0	0%	0	0%	0	0%	0	0%	1	9.1%
Other	1	2.4%	13	31%	0	0%	1	2.4%	0	0%	0	0%	1	2.4%	0	0%	21	50%

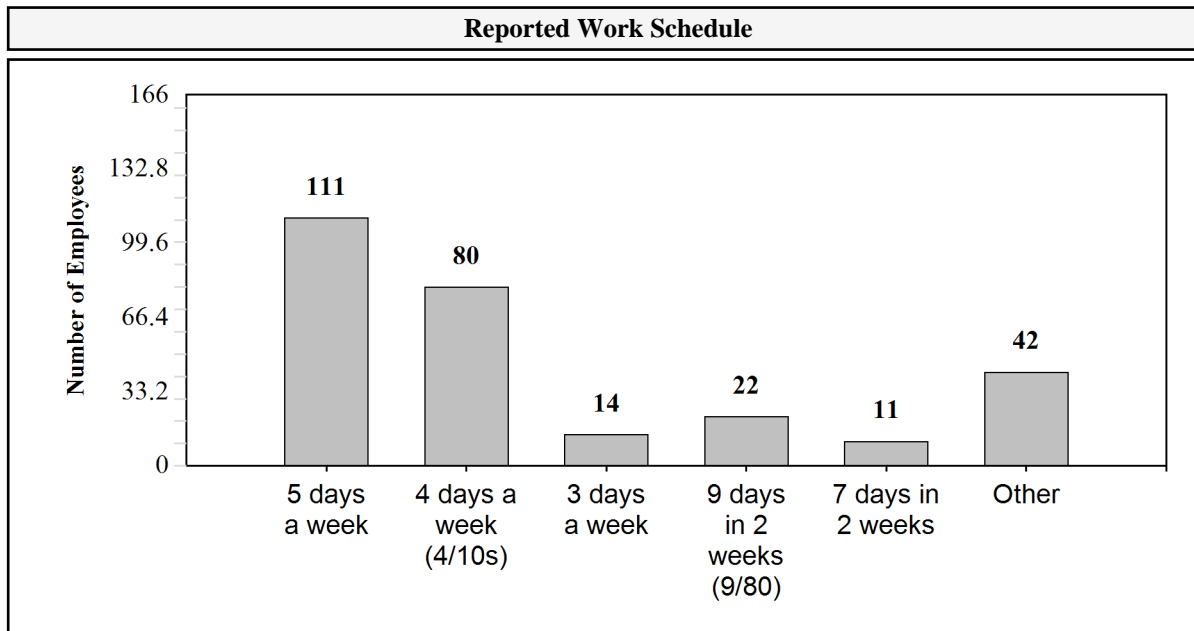
Count by Occupancy of Carpools, Vanpools, and Motorcycles

Q.4b If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	11
2	Motorcycle	0
2	Carpool	73
3	Carpool	0
4	Carpool	0
5	Carpool	1
>5	Carpool	0
<5	Vanpool	4
5	Vanpool	15
6	Vanpool	0
7	Vanpool	0
8	Vanpool	0
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
15	Vanpool	0

Reported Work Schedule - All Employees

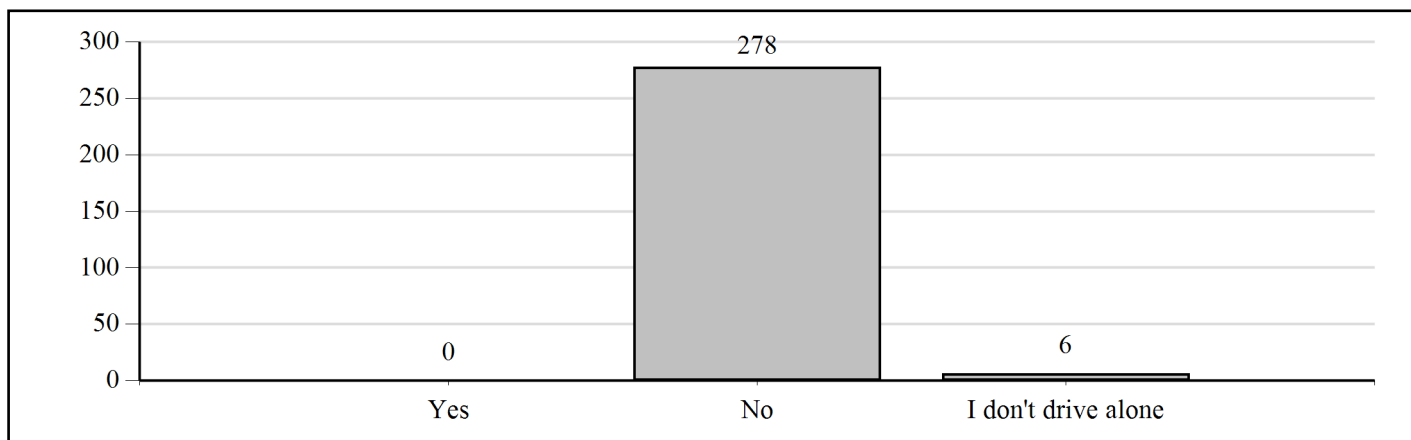
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	111	39.6%
4 days a week (4/10s)	80	28.6%
3 days a week	14	5%
9 days in 2 weeks (9/80)	22	7.9%
7 days in 2 weeks	11	3.9%
Other	42	15%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	2	0.7%
I don't telework	275	96.5%
Occasionally, on an as-needed basis	7	2.5%
1-2 days/month	0	0.0%
1 day/week	0	0.0%
2 days/week	0	0.0%
3 days/week	1	0.4%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Other	58	16.0%
To save money	57	15.7%
Financial incentives for carpooling, bicycling or walking.	46	12.7%
To save time using the HOV lane	43	11.9%
Free or subsidized bus, train, vanpool pass or fare benefit	40	11.0%
Personal health or well-being	34	9.4%
Environmental and community benefits	27	7.5%
Emergency ride home is provided	26	7.2%
Driving myself is not an option	17	4.7%
I have the option of teleworking	8	2.2%
Cost of parking or lack of parking	3	0.8%
Preferred/reserved carpool/vanpool parking is provided	2	0.6%
I receive a financial incentive for giving up my parking space	1	0.3%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	169	27.3%
Riding the bus or train is inconvenient or takes too long	152	24.5%
Other	92	14.8%
Family care or similar obligations	83	13.4%
My commute distance is too short	52	8.4%
My job requires me to use my car for work	41	6.6%
Bicycling or walking isn't safe	22	3.5%
I need more information on alternative modes	9	1.5%
There isn't any secure or covered bicycle parking	0	0.0%

Employee Transit Use - All Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	0	0	0	1	0	1	2	0	1	1
2	0	0	0	0	0	0	2	0	0	0
3	0	0	0	1	0	0	0	0	0	0
4	0	0	0	1	0	1	3	1	0	1
5	0	0	0	1	0	0	5	0	0	0
6	0	0	0	1	0	0	1	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	6	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	1	0	1	3	0	0	0
11 or more	0	0	0	0	0	0	3	0	0	0
# Of Employees using Transit	0	0	0	6	0	3	25	1	1	2
Total One-Way Transit Trips Per Week	0	0	0	29	0	15	193	4	1	5

Employee Transit Use - Affected Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	0	0	0	1	0	1	2	0	1	1
2	0	0	0	0	0	0	2	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	1	0	1	3	1	0	1
5	0	0	0	1	0	0	5	0	0	0
6	0	0	0	1	0	0	1	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	6	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	1	0	1	3	0	0	0
11 or more	0	0	0	0	0	0	3	0	0	0
# Of Employees using Transit	0	0	0	5	0	3	25	1	1	2
Total One-Way Transit Trips Per Week	0	0	0	26	0	15	193	4	1	5

Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
	1	0.35%	0	0	0	0	0	0	0	0	0	0	0	0	0
98001	5	1.75%	19	0	0	0	0	5	0	0	0	1	0	0	0
98002	2	0.70%	5	0	0	1	0	4	0	0	0	0	0	0	0
98003	8	2.81%	30	7	0	0	0	0	0	0	0	3	0	0	0
98006	3	1.05%	8	5	0	0	0	0	0	0	0	1	0	0	0
98011	1	0.35%	4	0	0	0	0	0	0	0	0	1	0	0	0
98012	1	0.35%	4	0	0	0	0	0	0	0	0	1	0	0	0
98014	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98020	1	0.35%	2	0	0	0	0	0	0	0	0	0	0	0	0
98022	3	1.05%	8	0	4	0	0	0	0	0	0	3	0	0	0
98023	8	2.81%	26	10	0	0	0	0	0	0	0	4	0	0	0
98026	3	1.05%	8	0	0	0	0	0	0	0	0	4	0	0	0
98027	1	0.35%	2	0	0	0	0	0	0	0	0	2	0	0	0
98029	2	0.70%	4	0	0	0	0	0	3	0	0	3	0	0	0
98030	7	2.46%	25	2	0	0	0	3	0	0	0	7	0	0	0
98031	6	2.11%	25	0	0	0	0	0	0	0	0	5	0	0	0
98032	5	1.75%	13	0	0	4	5	0	0	0	0	3	0	0	0
98033	1	0.35%	2	0	0	0	0	0	0	0	0	3	0	0	0
98036	1	0.35%	2	0	0	0	0	0	0	0	0	3	0	0	0
98038	15	5.26%	61	4	0	0	0	0	0	0	0	10	0	0	0
98040	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98042	9	3.16%	34	5	0	0	0	0	0	0	0	6	0	0	0
98051	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98052	2	0.70%	6	0	0	0	0	0	0	0	0	0	0	0	0
98053	2	0.70%	7	0	0	0	0	0	0	0	0	4	0	0	0
98055	5	1.75%	22	0	0	0	0	0	0	0	0	6	0	0	0



98056	5	1.75%	23	0	0	0	0	0	0	0	0	1	0	0	0
98057	1	0.35%	3	0	0	0	0	0	0	0	0	1	0	0	0
98058	9	3.16%	35	1	0	0	0	0	4	0	0	4	0	0	0
98059	8	2.81%	38	0	0	0	0	0	0	0	0	2	0	0	0
98078	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98092	9	3.16%	23	0	0	5	0	10	0	0	0	3	0	0	0
98106	3	1.05%	14	0	0	0	0	0	0	0	0	1	0	0	0
98108	2	0.70%	8	0	0	0	0	0	0	0	0	2	0	0	0
98109	1	0.35%	0	0	0	0	3	2	0	0	0	0	0	0	0
98112	1	0.35%	3	0	0	0	0	0	0	0	0	1	0	0	0
98115	3	1.05%	11	0	0	0	0	0	0	0	0	4	0	0	0
98116	3	1.05%	8	0	0	0	0	0	0	0	0	6	0	0	0
98117	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98118	3	1.05%	11	0	0	0	0	4	0	0	0	0	0	0	0
98122	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98126	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98146	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98155	2	0.70%	8	0	0	0	0	0	0	0	0	3	0	0	0
98166	7	2.46%	29	0	0	0	0	0	0	0	0	7	0	0	0
98168	13	4.56%	55	4	0	0	0	0	0	0	0	7	0	0	0
98177	2	0.70%	7	0	0	0	0	0	0	0	0	2	0	0	0
98178	4	1.40%	12	0	0	0	0	0	0	0	0	3	0	0	0
98188	8	2.81%	24	0	0	0	0	0	2	7	0	6	0	0	0
98198	5	1.75%	24	0	0	0	0	0	0	0	0	1	0	0	0
98199	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98203	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98290	1	0.35%	2	0	0	0	0	0	0	0	0	2	0	0	0
98292	1	0.35%	0	4	0	0	0	0	0	0	0	1	0	0	0
98294	1	0.35%	2	0	0	0	0	0	0	0	0	5	0	0	0
98296	1	0.35%	4	0	0	0	0	0	0	0	0	1	0	0	0
98317	1	0.35%	0	0	0	0	0	5	0	0	0	0	0	0	0
98321	4	1.40%	6	0	8	0	0	0	0	0	0	7	0	0	0
98323	2	0.70%	0	1	7	0	0	0	0	0	0	2	0	0	0
98327	1	0.35%	4	0	0	0	0	0	0	0	0	1	0	0	0
98335	1	0.35%	4	0	0	0	0	0	0	0	0	1	0	0	0
98338	2	0.70%	5	0	0	0	0	0	0	0	0	5	0	0	0
98360	2	0.70%	5	0	0	0	0	4	0	0	0	1	0	0	0



98371	1	0.35%	0	0	0	0	0	4	0	0	0	1	0	0	0
98372	5	1.75%	11	0	0	0	0	10	0	0	0	4	0	0	0
98373	1	0.35%	0	0	0	0	0	5	0	0	0	0	0	0	0
98374	7	2.46%	18	0	0	1	0	9	0	0	0	4	0	0	0
98375	6	2.11%	17	0	0	0	0	5	0	0	0	8	0	0	0
98387	4	1.40%	3	0	0	0	0	13	0	0	0	6	0	0	0
98388	1	0.35%	0	0	0	0	0	5	0	0	0	0	0	0	0
9839	1	0.35%	0	4	0	0	0	0	0	0	0	1	0	0	0
98390	2	0.70%	4	0	0	0	0	0	0	0	0	1	0	0	7
98391	15	5.26%	42	4	0	0	0	17	0	0	0	12	0	0	0
98396	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98403	1	0.35%	4	0	0	0	0	0	0	0	0	1	0	0	0
98404	2	0.70%	5	5	0	0	0	0	0	0	0	0	0	0	0
98407	1	0.35%	4	0	0	0	0	0	0	0	0	1	0	0	0
98408	1	0.35%	6	0	0	0	0	0	0	0	0	0	0	0	0
98418	1	0.35%	4	0	0	0	0	0	0	0	0	1	0	0	0
98422	6	2.11%	12	10	0	0	0	0	0	0	3	4	0	0	0
98424	1	0.35%	1	0	0	0	0	0	0	0	0	4	0	0	0
98445	2	0.70%	4	0	0	0	0	5	0	0	0	1	0	0	0
98446	1	0.35%	0	0	0	0	0	4	0	0	0	1	0	0	0
98465	1	0.35%	5	0	0	0	0	0	0	0	0	0	0	0	0
98466	2	0.70%	8	0	0	0	0	0	0	0	0	2	0	0	0
98467	1	0.35%	0	0	0	0	0	5	0	0	0	0	0	0	0
98501	3	1.05%	7	4	0	0	0	0	0	0	0	4	0	0	0
98502	3	1.05%	4	0	0	0	0	9	0	0	0	2	0	0	0
98516	2	0.70%	5	0	0	0	0	5	0	0	0	0	0	0	0
98557	1	0.35%	0	4	0	0	0	0	0	0	0	1	0	0	0
98584	1	0.35%	2	0	0	0	0	0	0	0	0	3	0	0	0
98638	1	0.35%	3	0	0	0	0	0	0	0	0	4	0	0	0
98688	1	0.35%	4	0	0	0	0	0	0	0	0	1	0	0	0
99991	1	0.35%	4	0	0	0	0	0	0	0	0	1	0	0	0